



TURBOMACHINERY & PUMP SYMPOSIA | HOUSTON, TX
SEPTEMBER 18-20, 2018
SHORT COURSES: SEPTEMBER 17, 2018

Industrial Gas Turbines



Rainer Kurz
Solar Turbines
Incorporated

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A Caterpillar Company

Klaus Brun
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Francisco Gonzalez
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Presenters

Rainer Kurz -Solar Turbines Incorporated

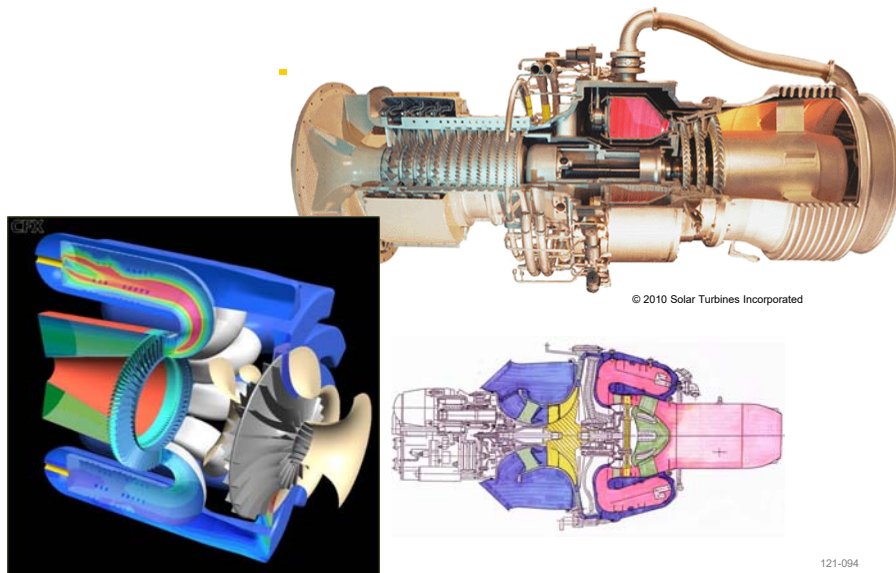
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The Gas Turbine Short Course covers the gas turbine design principles by outlining all the major components of gas turbines, such as axial flow compressors, axial flow turbines, and dry low NOx combustors. This course will review the principal design aspects of its thermodynamics cycles, package requirements for the gas turbine, operation and maintenance practices as well as their effect on plant operation, plant availability, and reliability.

This is a Gas Turbine



Gas Turbine Applications



Industrial Applications



Gas Turbines

- Prime Movers for
 - Power Generation
 - Industrial Applications
- Benefits vs. other power sources
 - Efficiency
 - Operating Cost
 - Fuel
 - Maintenance
 - First Cost
 - Emissions
 - Weight

What are we here for?

- We will not be able to cover the entire material in the handouts
- What are topics you are especially interested in ?